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U.S. Patent Application Serial No. 10/561,410

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A breath actuated dry powder inhaler, comprising a plurality of substantially disc shaped air circulation ~~chamber~~ chambers for de-agglomeration of entrained powdered medicament using the energy of the ~~an~~ inspiratory air stream created by a user, the ~~chamber~~ each of the chambers having a substantially circular or polygonal sidewall extending about a central axis between top and bottom walls of ~~the chamber~~ each of the chambers so that ~~the~~ a height of ~~the chamber~~ each of the chambers is smaller than its diameter, a plurality of air supply channels disposed about ~~the~~ a circumference of ~~the chamber~~ each of the chambers, which channels extend from joint or separate air inlets and which channels enter ~~the chamber~~ each of the chambers substantially tangentially to its sidewall, at least one of the supply channels extending through a powder dose supply region of the inhaler, ~~the chamber~~ each of the chambers further comprising an air outlet axially extending from a discharge opening in the ~~centre~~ center of the top or bottom wall of ~~the chamber~~ each of the chambers and connecting to a discharge channel that extends to a mouthpiece, ~~the inhaler comprising at least one further air circulation chamber for de-agglomeration of entrained powdered medicament, the chambers being connected to the mouthpiece in parallel~~ said powder traveling through said dose supply region, then through a plurality of the air supply channels to one of said chambers and exiting through said discharge openings and air outlets, to the discharge channel and to the mouthpiece.

2. (Currently Amended) The breath actuated dry powder inhaler of claim 1,

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comprising a substantially planar housing, at least one chamber being disposed in the housing such that the central axis of the chamber extends transversely to the a plane of the housing and the discharge channel being disposed in the housing such that it extends in the plane of the housing.

3. (Original) The breath actuated dry powder inhaler of claim 2, wherein the mouthpiece is provided on an edge of the housing.

4. (Previously Presented) The breath actuated dry powder inhaler according to claim 1, wherein the discharge channel and at least one circulation chamber extend in substantially parallel planes.

5. (Currently Amended) The breath actuated dry powder inhaler according to claim 1, wherein the housing is built up of a stack of ~~substantially~~ planar elements.

6. (Currently Amended) The breath actuated dry powder inhaler according to claim 1, wherein the discharge channel connects substantially transversely to the air outlet of the chamber.

7. (Currently Amended) The breath actuated dry powder inhaler according to claim 1, wherein the circulation chambers are substantially similar ~~identical~~.

8. (Cancelled)

9. (Previously Presented) The breath actuated dry powder inhaler according to claim 1, wherein the plurality of chambers are connected to a joint powder dose supply region.

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10. (Currently Amended) The breath actuated dry powder inhaler according to claim 1, wherein at least two of the chambers are disposed in ~~the~~ a same plane.
11. (Previously Presented) The breath actuated dry powder inhaler according to claim 1, wherein at least two of the chambers are disposed in parallel planes.
12. (Currently Amended) The breath actuated dry powder inhaler according to claim 11, wherein ~~the~~ a joint or separate discharge channels are disposed in a further plane, disposed between the parallel ~~plane~~ planes.
13. (Currently Amended) The breath actuated dry powder inhaler according to claim 1, ~~wherein the~~ comprising a housing is constructed as a disposable unit.
14. (Currently Amended) The breath actuated dry powder inhaler according to claim 1, wherein ~~the or each powder dose supply area~~ region is formed by a sealed dose compartment containing a pre measured dose of powdered medicament, the dose compartment being included in the supply channel and blocking air passage through the channel until removal of the seal of the dose compartment.
15. (Currently Amended) The breath actuated dry powder inhaler according to claim 1, wherein ~~the or each~~ a sealed dose compartment is a blister pocket sealed with a removable cover foil.
16. (Currently Amended) The breath actuated dry powder inhaler according to claim 1, further comprising a carrier carrying a plurality of sealed dose compartments, the compartments on the carrier being indexable relative to the ~~or each powder dose supply area~~ region of the inhaler.

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17. (Cancelled)

18. (Currently Amended) A device for pulmonary inhalation, wherein dry powder medicament is inhaled from an inhaler through parallel air supply channels to a plurality of substantially disc shaped air-circulation chambers arranged in parallel and wherein the dry powder is de-agglomerated in ~~a plurality of the~~ substantially disc shaped air- circulation chambers ~~arranged in parallel~~ in the inhaler using the energy of ~~the~~ an inspiratory air stream created by a user, and wherein, under the action of the inspiratory air stream, the de-agglomerated medicament is axially discharged from the circulation chambers and is subsequently fed through parallel discharge openings and air outlets, to discharge channels towards a mouthpiece.

19-20. (Cancelled)